

CLAIMS

1. A propylene-ethylene block copolymer composition for automobile exterior parts, comprising a propylene-ethylene block copolymer and a nucleating agent comprising methylenebis(2,4-di-t-butylphenol) acid sodium phosphate which is blended with the propylene-ethylene block copolymer in an amount of 300 to 2,000 ppm upon granulation thereof, and having:

(a) a melt flow rate (MFR) of 10 to 18 g/10 min when measured at 230°C under a load of 2.16 kg (21.2N);

(b) an ordinary temperature xylene insoluble having a stereoregularity index [mmmm] fraction of 98.9% or higher when measured by ¹³C-NMR; and

(c) an ordinary temperature xylene soluble characterized by:

(c-1) having a content of 22 to 28% by weight;

(c-2) comprising only a single component with respect to a relaxation time T1 measured by pulse NMR; and

(c-3) satisfying the following formula (I):

$$y \leq 0.0014x^3 - 0.0897x^2 - 1.0593x + 231.6 \quad (I)$$

wherein x is an ethylene content (% by weight) measured by ¹³C-NMR and y is the relaxation time T1 (msec) measured by pulse NMR.

2. The propylene-ethylene block copolymer composition according to Claim 1, wherein said composition has (d) a flexural modulus of 1,000 to 1,500 MPa; (e) a -30°C Izod impact strength of 6 to 8 kJ/m²; and (f) a tensile elongation of 200% or higher.

3. The propylene-ethylene block copolymer composition according to Claim 1, wherein said automobile exterior parts include bumper fascias, splash shields and side moldings.